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Econ - Mining, Ores
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INFORCED AND PRESTRESSED CONCRETE BEAMS
BY THE SHEAR FAILURE THEORY
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Order from Cement and Concrete Association, 52
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 (Switzerland) 1959, v. 50, p. 159-165.

DESCRIPTORS: Photometry, *Nicotine, *Tobacco,
 Cigarettes, Smokes.

(Chemistry--Analytical, TT, v. 10, no. 10)

63-22442

- I. Waltz, P.
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- V. Kresge-Hooker Science
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DESCRIPTORS: Smokes, *Cigarettes, Tobacco.

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- I. Waltz, P.
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62-17667

- I. Waltz, P.
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DESCRIPTORS: *Smokes, Chemical analysis.

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DESCRIPTORS: Determination, *Tobacco, *Smokes,
Volume.

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(NY-6440/4)

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EEur - Poland

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COMPRESSIBLE TURBULENT BOUNDARY LAYERS.
[1963] 36p (figs formulae omitted) 31 refs
Order from SLA \$3.60

TT-63-20654

Trans. of [Deutsche Versuchsanstalt für Luftfahrt, e. V.
Berichte] (West Germany) 1959, no. 84.

DESCRIPTORS: *Compressible flow, *Turbulent bound-
ary layer, Laminar boundary layer, Heat transfer, Flat
plate models, *Numerical analysis, Integrals

There is critically examined the utilizability of the in-
finite number of integral conditions available for an im-
provement of the approximation theory at laminar and
turbulent boundary layer. It is shown that earlier cogi-
tations on an extension of the empirical laws for wall
shearing stress and dissipation of turbulent boundary
(Mechanics--Aerodynamics, TT, v. 11, no. 3) (over)

TT-63-20654

I. Walz, A.

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formulae omitted) 15 refs.
Order from SLA \$4.60

TT-63-20655

Trans. of [Deutsche Versuchsanstalt für Luftfahrt, e. V.
Berichte] (West Germany) 1960, no. 136. (Abstract
available)

DESCRIPTORS: *Compressible flow, *Turbulent bound-
ary layer, Heat transfer, Velocity, Differential equa-
tions, Functions, *Numerical analysis, Integrals

Topics include: summary of the fundamental ideas of the
approximation theory; the formula system of the approx-
imation theory; analytical expression for the universal
functions; influence of the different thicknesses of the
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Symmetrical Boundary Layers,
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ADONIS, rpt., Wissenschaftliche Gesellschaft für Luft- und Raumfahrt und
Deutsche Gesellschaft für Raketenforschung,
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1964, 52 pp.

*NASA TT F-9768

Sci-ESQA
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GERMAN, rpt, Paper Presented at the Annual
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Sci-Phys
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Theoretical Calculation of the Maximum Lift
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GERMAN, ZWB Fb., (1769)

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Cornell Aeronautical Laboratories Inc.,
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Scientific - Aviation, Aerodynamics

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sible Turbulent Boundary Layers, by A. Wala.
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pp 50-56.

CIA 603328

ATIC F-TS-10110/V

Sci - Physics
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7 pp, CONFIDENTIAL

GERMAN, Rpt No 2/53, 24 Dec 1953, Encl to API-725-54.

AF 624669

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EEur - Germany
Scientific - Aeronautics
CIA D-38258

Concerning Some Mechanical Damping Phenomena
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25 pp.
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AEC-AI-Tr-90

Sci-Phys
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TT-64-10937

Wals, F. and Bröckel, G.
DETERMINING AVERAGE YARN TEST VALUES BY
MEANS OF THE HARP-TYPE TENSILE STRENGTH
TESTER (Die Bestimmung von Garn-Durchschnittsprüf-
werten aus dem Harfenreißediagramm). [30 Jul 63]
[22p] 4refs
Order from SLA \$2.60

TT-64-10937

Trans. of Textil-Praxis (West Germany) 1960, v. 13,
no. 6, p. 573-579.

I. Wals, F.
II. Bröckel, G.

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(Materials--Textiles, TT, v. 12, no. 2)

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GERMAN, per, Textil-Praxis, Vol XII,
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HIGH DRAWING FRAME VELOCITIES IN COTTON
SPINNING. [1961] (3 figs. omitted).
Order from SLA \$1.10 61-14550

Trans. of Textil-Praxis (West Germany) 1957, v. 12,
no. 1, p. 3-5.

DESCRIPTORS: *Cotton, *Threads, Processing.

(Materials--Textiles, TT, v. 6, no. 1)

61-14550

I. Walz, F.
II. Osterle, O.

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Walz, F. and Fetzer, H.
SPINNING WITH INCREASED TRAVELLER VELOCITY. [1961] (9 figs. omitted) 2 refs.
Order from SLA \$1.60

61-14552

Trans. of Textil-Praxis (West Germany) 1957, v. 12, no. 2, p. 121-125.

DESCRIPTORS: *Thread, Processing, Textiles.

By using balloon rings, the traveller speed can be considerably increased even at large lift; an increase by 25 to 30% is possible, if the correct travellers are used. Even at normal and low traveller speeds it is possible to increase the delivery speed, without increasing the number of yarn breakages, by using balloon rings. (Author)

(Materials--Textiles, TT, v. 6, no. 1)

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I. Walz, F.
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Walz, Kurt.
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VIBRATION. [1961] [20]p.
Order from SLA \$1.60

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DESCRIPTORS: *Concrete, Construction, Materials,
*Vibration, Brick, Mechanical properties, Moisture,
Density.

(Materials, TT, v. 6, no. 9)

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Sci - Engineering
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pp 577-580, 2400 words.

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FALZEL R.
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Stahl Und Eisen, vol. 56, pp. 1480-1484, 10 figs.,
2200 words; 1936.

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FRENCH, per, ATB Metallurgie, Vol II, No 1, 1960,
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1. FRENCH, per, Revue Universelles des Mines,
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Sci-M/M

CRL/T. 1409

Jan 64

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Report of the National Mining Convention on
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61 pp.

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AEC/ORNL-Tr-2079-69

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CHINESE, per, Acta Mathematica Sinica, Vol XVI, No 4,
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By Wan Zhe-xian (Wan Che-hsien) pp. 17

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FE - China

Pol-

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